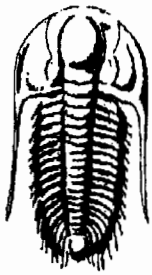
13-7s-21w



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach oil production**

PO Box 723
Alma NE 68920

ATTN: Jason Bach

13--7s--21w

Hamel # 3

Start Date: 2006.02.03 @ 14:42:28
End Date: 2006.02.03 @ 21:13:28
Job Ticket #: 23323 DST #: 1

Api # 15-065-23131-0000
NW NW SE SE
1250 FSL 1280 FEL

Bach oil production | Hamel # 3 | 13--7s--21w | DST # 1 | Tor-L.Kc.-A | 2006.02.03

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach oil production

PO Box 723
Alma NE 68920

ATTN: Jason Bach

Hamel # 3

13–7s–21w

Job Ticket: 23323 **DST#: 1**

Test Start: 2006.02.03 @ 14:42:28

GENERAL INFORMATION:

Formation: **Tor-L.Kc.-A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:17:28
Time Test Ended: 21:13:28

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 31

Interval: 3266.00 ft (KB) To 3315.00 ft (KB) (TVD)
Total Depth: 3315.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

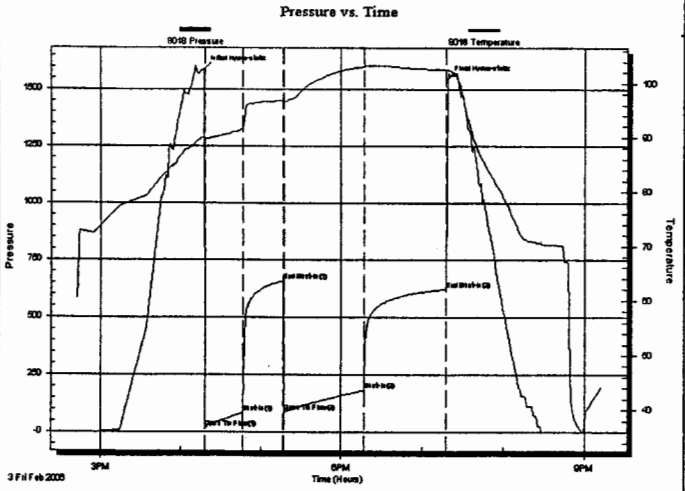
Reference Elevations: 2086.00 ft (KB)
2081.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 181.57 psig @ 3270.00 ft (KB)
Start Date: 2006.02.03 End Date: 2006.02.03
Start Time: 14:42:33 End Time: 21:13:27

Capacity: 7000.00 psig
Last Calib.: 2006.02.03
Time On Btm: 2006.02.03 @ 16:16:58
Time Off Btm: 2006.02.03 @ 19:17:58

TEST COMMENT: IF-Strong B.O.B.17 min. ISI-Dead
FF-Strong B.O.B. FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1586.68	90.06	Initial Hydro-static
1	17.76	89.72	Open To Flow (1)
29	83.02	91.54	Shut-In(1)
60	656.99	96.86	End Shut-In(1)
60	85.70	96.67	Open To Flow (2)
120	181.57	103.06	Shut-In(2)
180	621.71	102.47	End Shut-In(2)
181	1544.48	102.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
344.00	M.S.W-30%M-70%W	4.83
1.00	oil	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach oil production

PO Box 723
Alma NE 68920

ATTN: Jason Bach

Hamel # 3

13--7s--21w

Job Ticket: 23323 **DST#: 1**

Test Start: 2006.02.03 @ 14:42:28

Tool Information

Drill Pipe:	Length:	3255.00 ft	Diameter:	3.80 inches	Volume:	45.66 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		41000.00 lb
					Total Volume:	45.66 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		9.00 ft					String Weight:	Initial	32000.00 lb
Depth to Top Packer:		3266.00 ft						Final	37000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		49.00 ft							
Tool Length:		69.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3247.00		
Shut In Tool	5.00			3252.00		
Hydraulic tool	5.00			3257.00		
Packer	4.00			3261.00	20.00	Bottom Of Top Packer
Packer	5.00			3266.00		
Stubb	1.00			3267.00		
Perforations	2.00			3269.00		
Change Over Sub	1.00			3270.00		
Recorder	0.00	8018	Inside	3270.00		
Blank Spacing	31.00			3301.00		
Change Over Sub	1.00			3302.00		
Recorder	0.00	11084	Outside	3302.00		
Perforations	10.00			3312.00		
Bullnose	3.00			3315.00	49.00	Bottom Packers & Anchor
Total Tool Length:	**69.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach oil production

PO Box 723
Alma NE 68920

ATTN: Jason Bach

Hamel # 3

13–7s–21w

Job Ticket: 23323 **DST#: 1**

Test Start: 2006.02.03 @ 14:42:28

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	65000 ppm
Viscosity:	41.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	inches				

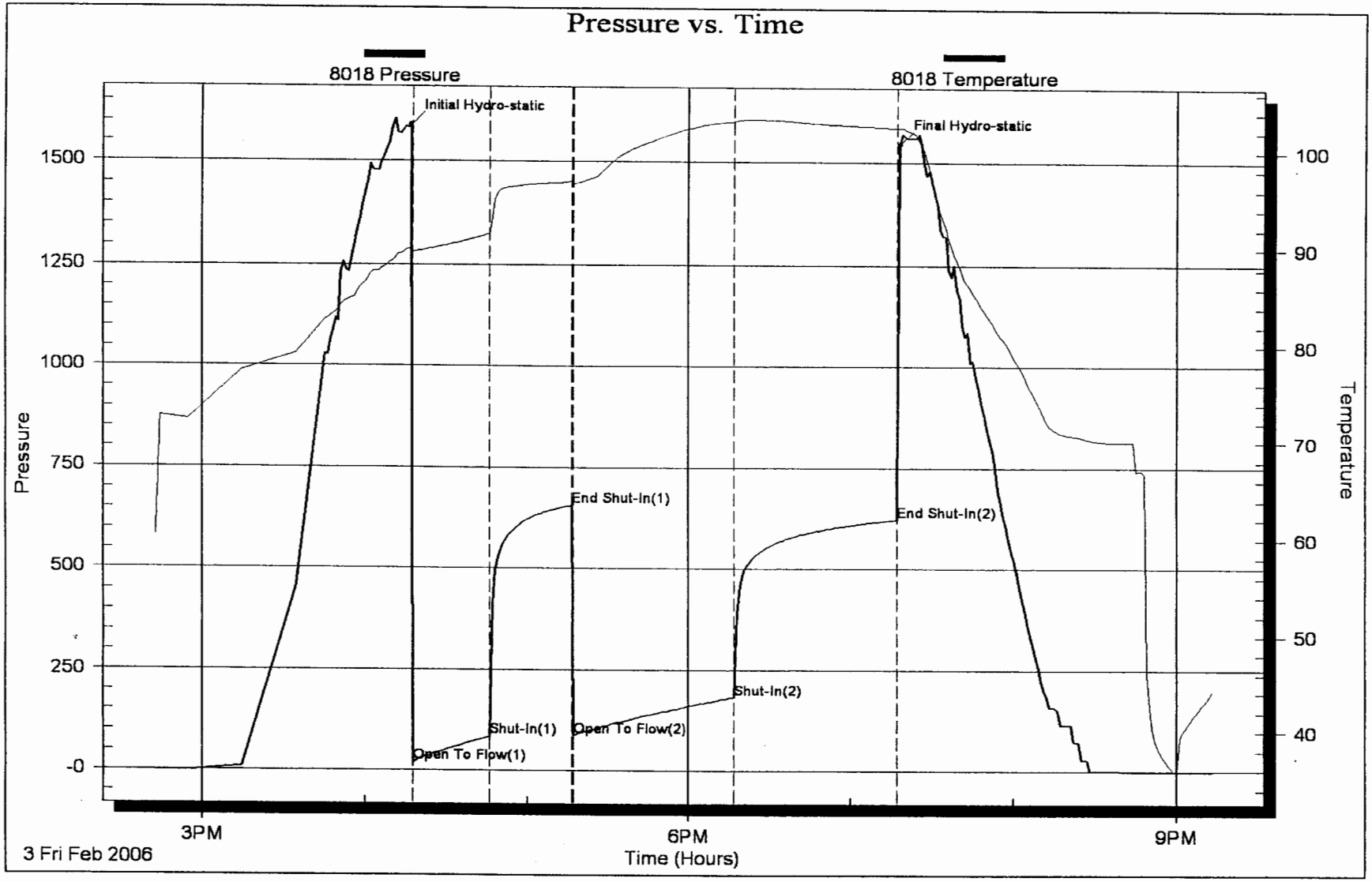
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
344.00	M.S.W-30%M-70%W	4.825
1.00	oil	0.014

Total Length: 345.00 ft Total Volume: 4.839 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8018 Pressure
8018 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1500
1250
1000
750
500
250
-0
100
90
80
70
60
50
40
3PM
6PM
9PM
3 Fri Feb 2006
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach oil production**

PO Box 723
Alma NE 68920

ATTN: Jason Bach

13--7s--21w

Hamel # 3

Start Date: 2006.02.04 @ 03:50:38
End Date: 2006.02.04 @ 10:27:08
Job Ticket #: 23324 DST #: 2

Bach oil production Hamel # 3 13--7s--21w DST # 2 L.Kc.-C 2006.02.04

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Bach oil production

PO Box 723
Alma NE 68920

ATTN: Jason Bach

Hamel # 3

13–7s–21w

Job Ticket: 23324 **DST#: 2**

Test Start: 2006.02.04 @ 03:50:38

GENERAL INFORMATION:

Formation: L.Kc.-C
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:37:38
Time Test Ended: 10:27:08

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 31

Interval: 3329.00 ft (KB) To 3355.00 ft (KB) (TVD)
Total Depth: 3355.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

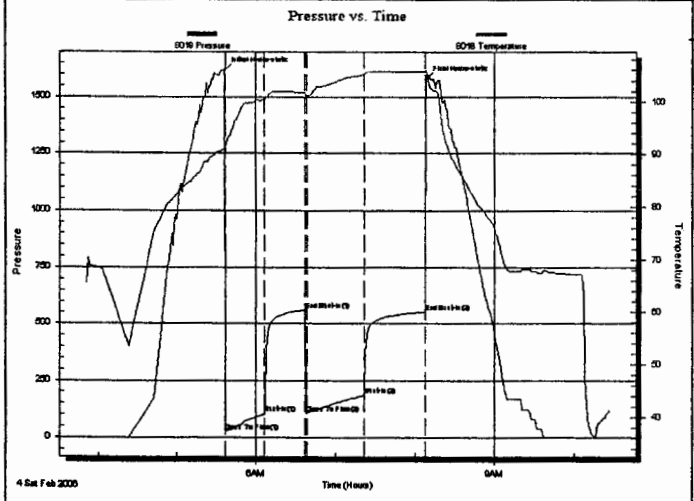
Reference Elevations: 2086.00 ft (KB)
2081.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 185.88 psig @ 3332.00 ft (KB)
Start Date: 2006.02.04 End Date: 2006.02.04
Start Time: 03:50:43 End Time: 10:27:07

Capacity: 7000.00 psig
Last Calib.: 2006.02.04
Time On Btm: 2006.02.04 @ 05:37:08
Time Off Btm: 2006.02.04 @ 08:08:08

TEST COMMENT: IF-Strong B.O.B.3 min. ISI-3" blow back.
FF-Strong B.O.B.6 min. FSI-6" blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.18	90.94	Initial Hydro-static
1	27.05	90.08	Open To Flow (1)
30	103.26	100.29	Shut-In(1)
60	561.82	101.70	End Shut-In(1)
61	103.83	101.14	Open To Flow (2)
104	185.88	105.23	Shut-In(2)
151	553.17	105.64	End Shut-In(2)
151	1579.57	106.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCO-15%G-15%M-60%O	1.68
340.00	Gassy oil-15%G-85%O	4.77

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach oil production

PO Box 723
Alma NE 68920

ATTN: Jason Bach

Hamel # 3

13–7s–21w

Job Ticket: 23324 **DST#: 2**

Test Start: 2006.02.04 @ 03:50:38

Tool Information

Drill Pipe:	Length:	3319.00 ft	Diameter:	3.80	inches	Volume:	46.56	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25	inches	Volume:	0.00	bbl	
						Total Volume:	46.56	bbl	

Drill Pipe Above KB:	10.00 ft
Depth to Top Packer:	3329.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	26.00 ft
Tool Length:	46.00 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	45000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	36000.00 lb
Final	38000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3310.00		
Shut In Tool	5.00			3315.00		
Hydraulic tool	5.00			3320.00		
Packer	4.00			3324.00	20.00	Bottom Of Top Packer
Packer	5.00			3329.00		
Stubb	1.00			3330.00		
Perforations	2.00			3332.00		
Recorder	0.00	8018	Inside	3332.00		
Perforations	20.00			3352.00		
Recorder	0.00	13308	Outside	3352.00		
Bullnose	3.00			3355.00	26.00	Bottom Packers & Anchor
Total Tool Length:	**46.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach oil production

PO Box 723
Alma NE 68920

ATTN: Jason Bach

Hamel # 3

13--7s--21w

Job Ticket: 23324 **DST#: 2**

Test Start: 2006.02.04 @ 03:50:38

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	41.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

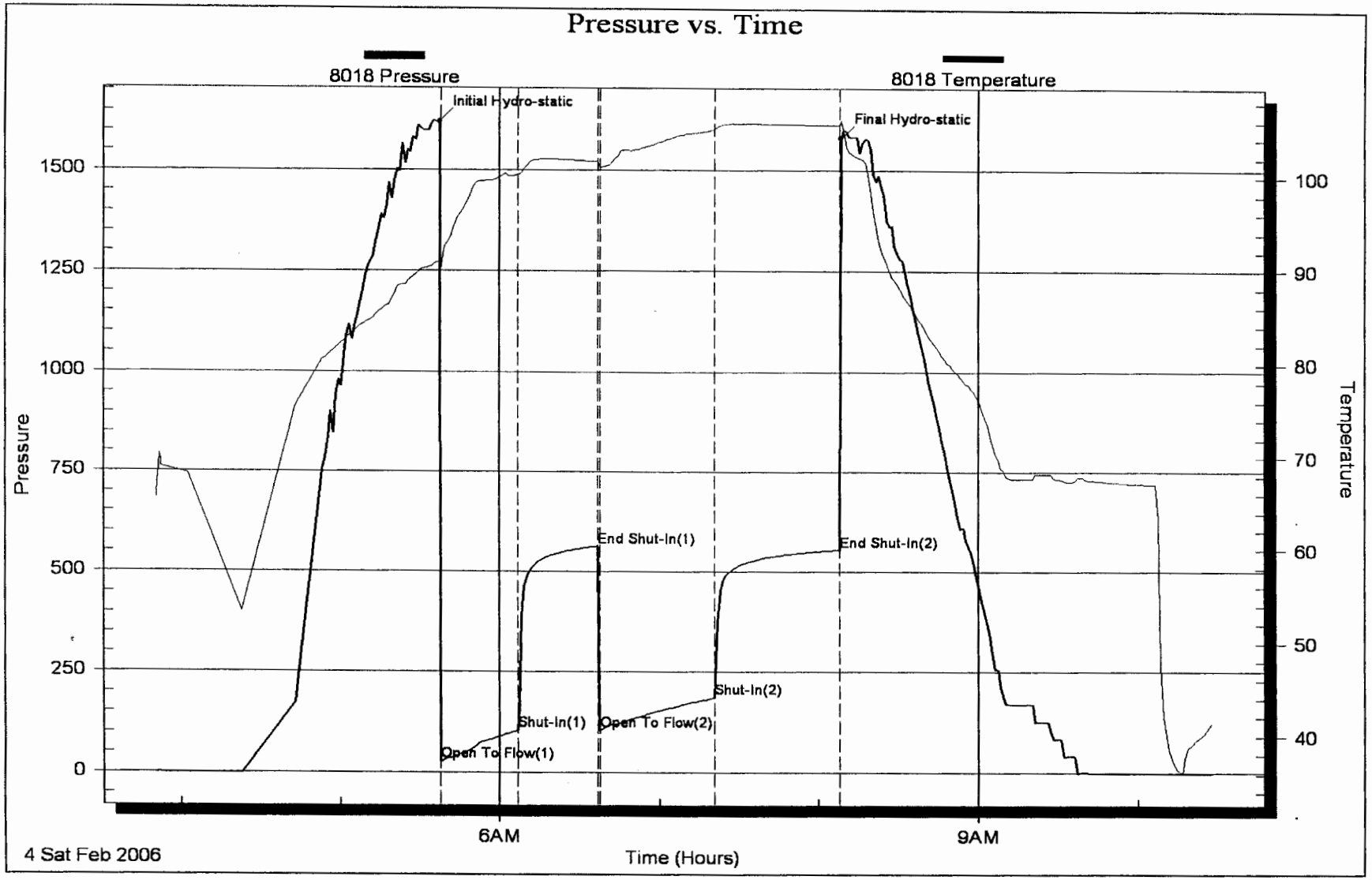
Length ft	Description	Volume bbl
120.00	GMCO-15%G-15%M-60%O	1.683
340.00	Gassy oil-15%G-85%O	4.769

Total Length: 460.00 ft Total Volume: 6.452 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8018 Pressure
8018 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
90
80
70
60
50
40
6AM
9AM
4 Sat Feb 2006
Time (Hours)